

Appendix A Acronyms and Abbreviations

(d)	diurnal	(temporal resolution field abbreviation)
(d, n)	diurnal and nocturnal	(temporal resolution field abbreviation)
(n)	nocturnal	(temporal resolution field abbreviation)
Abs	Absolute	(product name abbreviation)
ACRIM	Active Cavity Radiometer Irradiance Monitor	
ADEOS	Advanced Earth Observing Satellite	
AGP	Ancillary Geographic Product [MISR]	
AIRS	Atmospheric Infrared Sounder	
AL	At Launch	
ALT	Altimeter	
AM (AM1, AM2, & AM3)	EOS morning satellite with equatorial crossing time of 10:30 am. The numbers 1, 2, and 3 indicates the first, second, and third satellite of the AM series.	
AMSR	Advanced Microwave Scanning Radiometer	
AMSU-A	Advanced Microwave Sounding Unit-A	
Antarctica	Antarctica	(horizontal coverage keyword)
AOL	NASA Airborne Oceanographic Lidar	
APAR	Absorbed PAR	(product name abbreviation)
arcsec	arc second	(units abbreviation)
ARP	Ancillary Radiometric Product [MISR]	
ASF	Alaskan SAR Facility	
ASTER	Advanced Spaceborne Thermal Emission and Reflection	
Asymm	Asymmetric	(product name abbreviation)
ATBD	Algorithm Theoretical Basis Document	
ATMOS	Atmospheric Trace Molecule Spectrometer/Spectroscopy	
Atmos	Atmosphere	(product name abbreviation)
Avg	Average	
AVHRR	Advanced Very High Resolution Radiometer	
AVHRR GAC	AVHRR Global Area Coverage	
AVHRR LAC	AVHRR Local Area Coverage	
AVIRIS	Advanced Visible and Infrared Imaging Spectrometer	
b	bar	(units abbreviation)
Back	Backscattering	(product name abbreviation)
Biochem	Biochemical	(product name abbreviation)
Bot	Bottom, Base	(product name abbreviation)
BRDF	Bidirectional Reflectance Dist. Function	(product name abbreviation)
BRF	Bidirectional Reflectance Factor	
BT	Terrestrial Ecosystem Dynamics	(biosphere data product category)
C	Centigrade	(units abbreviation)
Canada	Canadian sites	(horizontal coverage keyword)
CCRS	Canadian Centre for Remote Sensing	
CDR	Critical Design Review	
CERES	Clouds and Earth's Radiant Energy System	
Char	Characteristics	(product name abbreviation)
Chem	Chemistry	(product name abbreviation)
cld	cloudy	(accuracy field abbreviation)
cloud	Cloud layer, regardless of altitude	(vertical coverage keyword)
clr	clear (sky)	(accuracy field abbreviation)
cm	centimeter	(units abbreviation)
CNES	Centre National D'Etudes Spatial/Scientifique	
Coeff	Coefficient	(product name abbreviation)
COLOR	SeaWIFS follow-on, originally SeaWIFS-II	
Conc	Concentration	(product name abbreviation)
Corr	Correction	(product name abbreviation)
Cryos	Cryosphere	(horizontal coverage keyword)

Appendix A Acronyms and Abbreviations

CSIRO	Commonwealth Scientific and Industrial Research Organization	
CSU	Colorado State University	
Curv	Curvature	(product name abbreviation)
CZCS	Coastal Zone Color Scanner	
DAAC	Distributed Active Archive Center	
DAO	Data Assimilation Office of GSFC	
dB	decibel	(units abbreviation)
DC	Direct Current	(product name abbreviation)
deg	Degree	
DEM	Digital Elevation Model	
Deriv	Derivative	(product name abbreviation)
Dev	Developmental data to be used for algorithm development	
DFA	Dual Frequency Altimeter [replaces SSALT]	
dg	degree	(units abbreviation)
Diff	Differences	(product name abbreviation)
DMA	Defense Mapping Agency	
DMSP	Defense Meteorological Satellite Program	
DTED	Digital Terrain Elevation Data [Model at DMA]	
DU	Dobson Unit	(units abbreviation)
dy	day	(units abbreviation)
E	irradiance (radiant flux density: W/m ²)	(units abbreviation)
E	EOS Data Product	
ECMWF	European Center for Medium Range Weather Forecasting	
ECS	EOSDIS Core System	
EDC	EROS Data Center	
EDOS	EOS Data and Operations System	
EOS	Earth Observing System	
EOSAT	Earth Observation Satellite Corporation	
EOSDIS	EOS Data and Information System	
EOSP	Earth Observing Scanning Polarimeter	
Equiv	Equivalent	(product name abbreviation)
ERB	Earth Radiation Budget (instrument)	
ERBE	Earth Radiation Budget Experiment	
ERBI	Earth Radiation Budget Instrument	
ERBS	Earth Radiation Budget Satellite	
ERL	Environmental Research Laboratory	
ERS-1	Earth Resources Satellite-1	
ESA	European Space Agency	
ESDIS	Earth Science Data and Information System	
EUMETSAT	European Meteorological Satellite Organization	
Evapotrans	Evapotranspiration	(product name abbreviation)
Ex	Exosphere	(vertical coverage keyword)
FLI	Fluorescence Line Imager	
Fluor	Fluorescence	(product name abbreviation)
Fnc	Function	(product name abbreviation)
FNOC	Fleet Numerical Oceanographic Center	
FOO	Flight of Opportunity	
FPAR	Fractional Photosynthetically Active Radiation	
G	Gauss (cgs unit of magnetic induction)	(units abbreviation)
g	grams	(units abbreviation)
GB	Gegabytes	
GEOSAT	Geodesy Satellite	
GISS	Goddard Institute for Space Studies	

Appendix A Acronyms and Abbreviations

GLAS	Geoscience Laser Altimeter System	
Global or G	Global atmosphere or surface	(horizontal coverage keyword)
GMS	Geostationary Meteorological Satellite	
GOES	Geostationary Operational Environmental Satellite (Geosynchronous Weather Satellite System)	
GRIB	GRIdded Binary	
GSFC	Goddard Space Flight Center	
H	Humidity	
ha	hectare	(units abbreviation)
high_cloud	Upper-level cloud (e.g., Cirrus)	(vertical coverage keyword)
HIRDLS	High-Resolution Dynamics Limb Sounder	
HIRS/2	High Resolution Infrared Radiation Sounder - 2nd Generation	
Hor	Horizontal	(product name abbreviation)
hr	hour	(units abbreviation)
Hz	Hertz (1 cycle/s)	(units abbreviation)
I	Input	
ID	Identification	
Inst & Instr	Instrument	(product name abbreviation)
In_situ	Spacecraft location (EOS platform)	(vertical coverage keyword)
IPAR	Incident PAR	(product name abbreviation)
JERS-1	Japanese Earth Remote Sensing Satellite - 1	
JPDF	Joint Probability Distribution Function	
JPL	Jet Propulsion Laboratory	
K	Kelvin (degrees of temperature)	(units abbreviation)
keV	kilo-electron volts (1000eV)	(units abbreviation)
kg	kilograms	(units abbreviation)
km	kilometer	(units abbreviation)
kt	kilotonP	(units abbreviation)
l	liter	(units abbreviation)
L ALT	Laser Altimeter	
LAI	Leaf Area Index	
Land	Global land surface	(horizontal coverage keyword)
LANDSAT	Land Remote Sensing Satellite System	
LANL	Los Alamos National Laboratory	
LaRC	Langley Research Center	
Lat	Latitude	(product name abbreviation)
lat	latitude	(units abbreviation)
Limb	Limb sounding	(horizontal coverage keyword)
LIMS	Limb Infrared Monitor of the Stratosphere	
Liq	Liquid	(product name abbreviation)
LIS	Lightning Imaging Sensor	
Local or L	Local land or Oceanic sites	(horizontal coverage keyword)
Local/6	Six local sites	(horizontal coverage keyword)
lon	longitude	(units abbreviation)
low_cloud	Low-level cloud (e.g., Stratus)	(vertical coverage keyword)
LW	Longwave	(product name abbreviation)
Ly	Langley (insolation: calorie/cm ²)	(units abbreviation)
m	meter	(units abbreviation)
Max	Maximum	(product name abbreviation)
mb	millibar	(units abbreviation)
MB	Megabytes	
MeV	mega-electron volts (10 ⁶ eV)	(units abbreviation)
MFLOPs	Millions of Floating Point Operations	

Appendix A Acronyms and Abbreviations

MFLOPS	Millions of Floating Point Operations Per Second	
mg	milligrams	(units abbreviation)
mg-X	milligrams of substance X	(units abbreviation)
MHS	Microwave Humidity Sounder	
Mid_atmos	Upper troposphere to mesopause	(vertical coverage keyword)
mid_cloud	Mid-level cloud (e.g., AltoStratus)	(vertical coverage keyword)
MIMR	Multi-Frequency Imaging Microwave Radiometer	
Min	Minimum	(product name abbreviation)
min	minutes	(units abbreviation)
MISR	Multi-angle Imaging Spectro-Radiometer	
mix	mixing (in mixing ratio)	(units abbreviation)
mixed_lyr	ocean mixed layer	(vertical coverage keyword)
MLS	Microwave Limb Sounder/Spectrometer	
mm	millimeter	(units abbreviation)
mmol	millimoles	(units abbreviation)
MODIS	Moderate Resolution Imaging Spectroradiometer	
mol-X	moles of substance X	(units abbreviation)
mon	month	(units abbreviation)
MOPITT	Measurement of Pollution in the Troposphere	
MOS-1	Marine Observation Satellite (Japan)	
MR	Microwave Radiometer	
MSFC	Marshall Space Flight Center	
MSR	Microwave Scanning Radiometer	
MSS	Multispectral Scanner System	
MST	Mesospheric/Stratospheric/Tropospheric	
MSU	Microwave Sounding Unit	
mW	milliwatts	(units abbreviation)
N	Newtons (kg/m/s ²)	(units abbreviation)
N	Non-EOS Data Product	
N/A	Not Applicable	
NASA	National Aeronautics and Space Administration	
NASDA	Japanese National Space Agency	
NBIOME	Northern Biosphere Observation and Modeling Experiment	
NCDC	National Climatic Data Center, formerly NCC	
NCDS	NASA Climate Data System, formerly PCDS	
Near_sfc	Near surface layer (within boundary layer)	(vertical coverage keyword)
NESDIS	National Environmental Satellite Data and Information Service	
NEXRAD	Next Generation Radar	
NHC/JTWC	National Hurricane Center / Joint Thunderstorm Warning Center	
NIR	Near Infrared	(product name abbreviation)
nm	nanometer (10 ⁻⁹ m)	(units abbreviation)
NMC	National Meteorological Center	
no	number	(units abbreviation)
NOAA	National Oceanographic and Atmospheric Administration	
NOAA DBC	NOAA Data Buoy Center	
NOAA/WPL	NOAA Wave Propagation Laboratory	
NODC	National Oceanographic Data Center	
NODS	NASA Ocean Data System	
NPP	Net Primary Production	(product name abbreviation)
NSCAT	NASA Scatterometer [now refernced as SeaWinds (SWS)]	
NSF/DPP	National Science Foundation	
NSIDC	National Snow and Ice Data Center	
NSSDC	National Space Science Data Center	

Appendix A Acronyms and Abbreviations

NWS	National Weather Service	
O	Output	
o/oo	thousandths	(units abbreviation)
OBC	On-Board Calibrator	
Ocean	Global ocean	(horizontal coverage keyword)
Ocean-I	Ocean with Case I sediments	(horizontal coverage keyword)
Ocean-II	Ocean with Case II sediments	(horizontal coverage keyword)
Ocean/Cryos	Regions with sea-ice	(horizontal coverage keyword)
OLR	Outgoing Longwave Spectral Radiation	(product name abbreviation)
Ops	Operations	
OR	Oceanic Radiation	(oceans data product category)
OSU	Oregon State University	
PAN	Peroxyacetyl Nitrate	(product name abbreviation)
PAR	Photosynthetically Active Radiation	(product name abbreviation)
Parm	Parameter	
PBL	Planetary Boundary Layer	(product name abbreviation)
PBL	Planetary boundary layer	(vertical coverage keyword)
PDR	Preliminary Design Review	
PGE	Product Generation Element	
PL	Post Launch	
PLDS	Pilot Land Data System	
Plume_col	Vertical extent of volcanic eruption plume	(vertical coverage keyword)
Plume_top	Top of volcanic eruption plume	(vertical coverage keyword)
PM (PM1, PM2, & PM3)	EOS Afternoon with equatorial crossing time of 1:30 pm.	
Polar	Latitudes > 60°N & S	(horizontal coverage keyword)
ppb	parts per billion	(units abbreviation)
ppm	parts per million	(units abbreviation)
ppt	parts per trillion	(units abbreviation)
Precip	Precipitation	(product name abbreviation)
Proc	Process	
Prod	Product	
PSC	Polar Stratospheric Cloud	(product name abbreviation)
PSU	Pennsylvania State University	
QA	Quality Assurance	
R ALT	Radar Altimeter	
RADARSAT	Canadian Synthetic Aperture Radar Satellite	
RDBMS	Relational Data Base Management System	
recog.	recognition (in feature recognition)	(units abbreviation)
Regional or R	Regional Land or Oceanic areas	(horizontal coverage keyword)
Rel	Relative	(product name abbreviation)
Res	Resolution	(product name abbreviation)
Res	Research data to be used for research activities	
RH	Relative Humidity	
RSS	Remote Sensing System	
s	second	(units abbreviation)
S/C	Spacecraft	
SAGE	Stratospheric Aerosol and Gas Experiment	
SAM	Stratospheric Aerosol Measurement	
SAR	Synthetic Aperture Radar	
SASS	Seasat–A Scatterometer System	
SBUV	Solar Backscatter Ultraviolet radiometer	
SCATT	Scatterometer	
SCF	Science Computing Facility	

Appendix A Acronyms and Abbreviations

SDR	System Design Review	
seas	seasonal	(units abbreviation)
SeaWiFS	Sea-viewing Wide Field of View Sensor	
SeaWinds	NASA Scatterometer, often abbreviated as SWS	
sec	Seconds	
Sfc	Surface	(product name abbreviation)
Sfc	Surface of ocean or land, regardless of topography	(vertical coverage keyword)
SIO	Scripps Institution of Oceanography	
SIR-C	Spaceborne Imaging Radar-C	
SIR-A, -B	Shuttle Imaging Radar	
SLR	Satellite Laser Ranging	
SM&T	School of Mining and Technology	
SMART	Simulated MISR Ancillary Radiative Transfer	
SMMR	Scanning Multichannel Microwave Radiometer	
Snow	Snow	(horizontal coverage keyword)
SOLSTICE	SOLar STellar Irradiance Comparison Experiment	
SPOT	System pour l'Observation de la Terre (France)	
SPSO	GSFC Science Processing Support Office	
sr	steradian (unit solid angle)	(units abbreviation)
SS	Space Station	
SSALT	Solid State Altimeter	
SSM/I	Special Sensor for Microwave Imaging	
SST	Sea Surface Temperature	(product name abbreviation)
SSU	Stratospheric Sounding Unit	
Strat	Stratosphere	(product name abbreviation)
Strat	Stratosphere	(vertical coverage keyword)
Sub_sfc	Layers immediately beneath land surface	(vertical coverage keyword)
SYNY	State University of New York	
SW	Shortwave	(product name abbreviation)
SWS	Seawinds [NASA Scatterometer] instrument to fly on ADEOS 2	
t	metric ton	(units abbreviation)
T	Temperature	
TBD	To Be Determined	
TEC	Total Electron Content	(product name abbreviation)
TES	Tropospheric Emission Spectrometer	
Tesla	mks unit of magnetic flux density (weber/m ²)	(units abbreviation)
THIR	Temperature Humidity Infrared Radiometer	
TIR	Thermal Infrared	(product name abbreviation)
TM	Thematic Mapper	
TMR	TOPEX Microwave Radiometer	
TOA	Top of Atmosphere	
TOMS	Total Ozone Mapping Spectrometer	
TOO	Top of ocean (oceanic mixed layer)	(vertical coverage keyword)
TOPEX/POSEIDON	Ocean Topography Experiment	
TOVS	TIROS Operational Vertical Sounder	
TRMM	Tropical Rainfall Measurement Mission	
Trop	Troposphere	(product name abbreviation)
Trop	troposphere	(vertical coverage keyword)
Tropic	Zonal Band 30°N to 30°S	(horizontal coverage keyword)
UARS	Upper Atmosphere Research Satellite	
UCSB	University of California at Santa Barbara	
UNESCO	United Nations Economic and Social Commission for Asia and the Pacific	
USDA	United States Department of Agriculture	

Appendix A Acronyms and Abbreviations

USGS	United States Geological Survey	
UV	Ultraviolet	(product name abbreviation)
UWA	University of Washington	
UWI	University of Wisconsin	
VAS	VISSR Vertical Atmospheric Sounder	
Ver	Vertical	(product name abbreviation)
VIS	Visible	(product name abbreviation)
VISSR	Visible Infrared Spin-Scan Radiometer	
VLBI	Very Long Baseline Interferometry	
vlc	volcanic eruption	(accuracy field abbreviation)
VO	Volcanic Activity	(solid Earth data product category)
Vol	Volume	
W	Watts ($\text{kg/m}^2/\text{s}^3$)	(units abbreviation)
Wetlands	Global wet lands	(horizontal coverage keyword)
WGS84	World Geodetic System 1984	
wk	week	(units abbreviation)
WMO	World Meteorological Organization	
x	volcanic eruption	(accuracy field abbreviation)
yr	year	(units abbreviation)
zm	zonal mean	(temporal resolution field abbreviation)
μg	micrograms	(units abbreviation)
μm	micron (micrometer: 10^{-6})	(units abbreviation)